JUPITER AVIONICS CORPORATION

JA31-001
Intercom Bus Selector

Operating Manual

Rev. A

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IMPORTANT:

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Record of Revisions			
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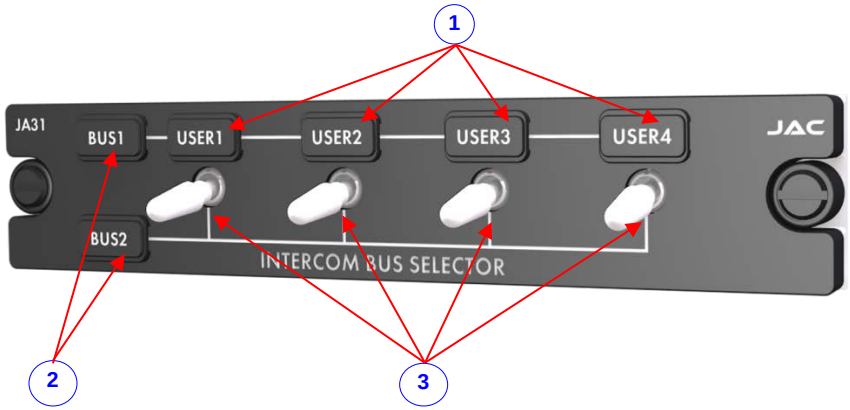
1 Introduction

This manual contains the operating instructions for the JA31-001.

Note: The 6 legends are removable and may be replaced with custom ordered parts. The controls are referred to by the default legend names as shown below.

2 Front Panel Controls



(1) User/Crew Member Designation

The four User Designation legends are interchangeable to allow customization.

(**Default** – USER1; USER2; USER3; USER4.)

(2) Intercom Bus Selector Legends

The two Intercom Bus Selector Legends are interchangeable to allow for customization.

(**Default** – BUS1, BUS2.)

(3) Intercom Bus Selector Switches

The Intercom Bus Selector Switches are four white two-position toggle switches that allow each user to select the Intercom Bus for connection. When the switch associated with the user is in the UP position, the user will be connected to BUS 1, and in the DOWN position the user will be connected to BUS 2.

3 Operation

Note: The JA31-001 does not require power from the aircraft for operation.

3.1 Panel Lighting

The legends will be illuminated and dim through the aircraft lighting bus.

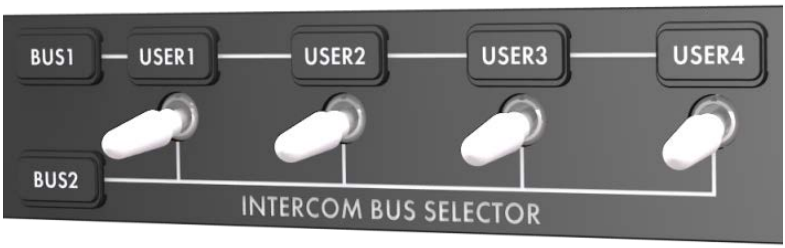
3.2 BUS Selection (Talk Groups)

When the USER switch is in the BUS 1 position, the USER's ICS Tie Line will be connected to Bus 1.

When the USER switch is in the BUS 2 position, the USER's ICS Tie Line will be connected to Bus 2.

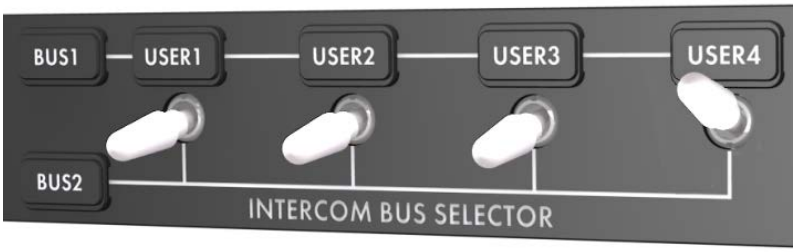
3.2.1 JA31-001 for Talk Groups/Isolation

ALL USERS



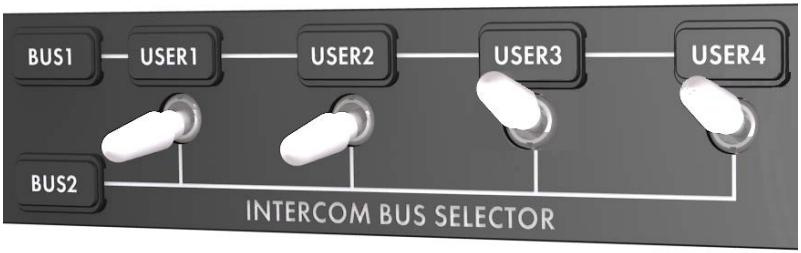
If it is a requirement for **ALL USERS** to be able to talk together on the intercom, all users' switches must either select BUS 1 or BUS 2 (i.e. all switches in the same direction.)

ISOLATION



If one user is to be **ISOLATED** from the other users, that user must be connected to a different bus to all the other users. (i.e. User's switch must be in the opposite direction to all the others.) In this example, User 4 is isolated from Users 1, 2 and 3.

SPLIT USE (Talk Groups)



If it is necessary to **SPLIT** the users into Talk Groups, (for instance Flight Crew and Cabin Crew) the users' switches should be connected to different busses (in this example, User 1 and User 2 are connected on BUS 2; User 3 and User 4 are connected on BUS 1.

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